SCHEDULE OF LOADS

CRKT NR	T LOAD DESCRIPTION	NUMBER 0	F OUTLETS	SWITCHES				VOLT		СВ	NUMBER A CIZE OF WIRE CONDUIT		
		CO/SPO	LIGHTING	S S2	S3	S3W	VOLTS	AMPERE	AMPERE	RATING	NUMBER & SIZE OF WIRE CONDUIT		
1	LIGHTING OUTLET		14	1			230	1400	6.09	15 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
2	LIGHTING OUTLET		14	1			230	1400	6.09	15 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
3	CEILING FAN OUTLET		10				230	1000	4.35	15 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
4	CEILING FAN OUTLET		10				230	1000	4.35	15 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
5	LIGHTING OUTLET		12	2			230	1200	5.22	15 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
6	LIGHTING OUTLET		12	2			230	1200	5.22	15 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
7	CONVENIENCE OUTLET	8					230	1440	6.26	20 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
8	CONVENIENCE OUTLET	10					230	1800	7.83	20 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
9	CONVENIENCE OUTLET	10					230	1620	7.04	20 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
10	CONVENIENCE OUTLET	8					230	1440	6.26	20 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EMBEDDED 20MM DIA IMC		
11	CONVENIENCE OUTLET	8					230	1440	6.26	20 AT	2-3.5MM SQ THHN/THWN & 1-2.0MM SQ THHN/THWN IN EMBEDDED 20MM DIA IMC		
12	SPLIT TYPE ACU 2.5 TR	1					230	4175	18.15	40 AT	2-5.5MM SQ THHN/THWN & 1-3.5MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
13	SPLIT TYPE ACU 3 TR	1					230	6440	28.00	40 AT	2-5.5MM SQ THHN/THWN & 1-3.5MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
14	SPLIT TYPE ACU 3 TR	1					230	6440	28.00	40 AT	2-5.5MM SQ THHN/THWN & 1-3.5MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
15	SPLIT TYPE ACU 3 TR	1					230	6440	28.00	40 AT	2-5.5MM SQ THHN/THWN & 1-3.5MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
16	SPLIT TYPE ACU 3 TR	1					230	6440	28.00	40 AT	2-5.5MM SQ THHN/THWN & 1-3.5MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
17	SPLIT TYPE ACU 2.5 TR	1					230	4175	18.15	40 AT	2-5.5MM SQ THHN/THWN & 1-3.5MM SQ THHN/THWN IN EXPOSED 20MM DIA IMC		
18	SPARE						230	1600	6.96				
19	SPARE						230	1600	6.96				
20	SPARE	42/6	72	6			230	1600	6.96				
TOTAL							l	54030	234.95				

 $lw = (lt \times DF) + 25\% LARGEST MOTOR = 194.96 Amps$ lcb = lw + 250% LARGEST MOTOR = 264.96 Amps

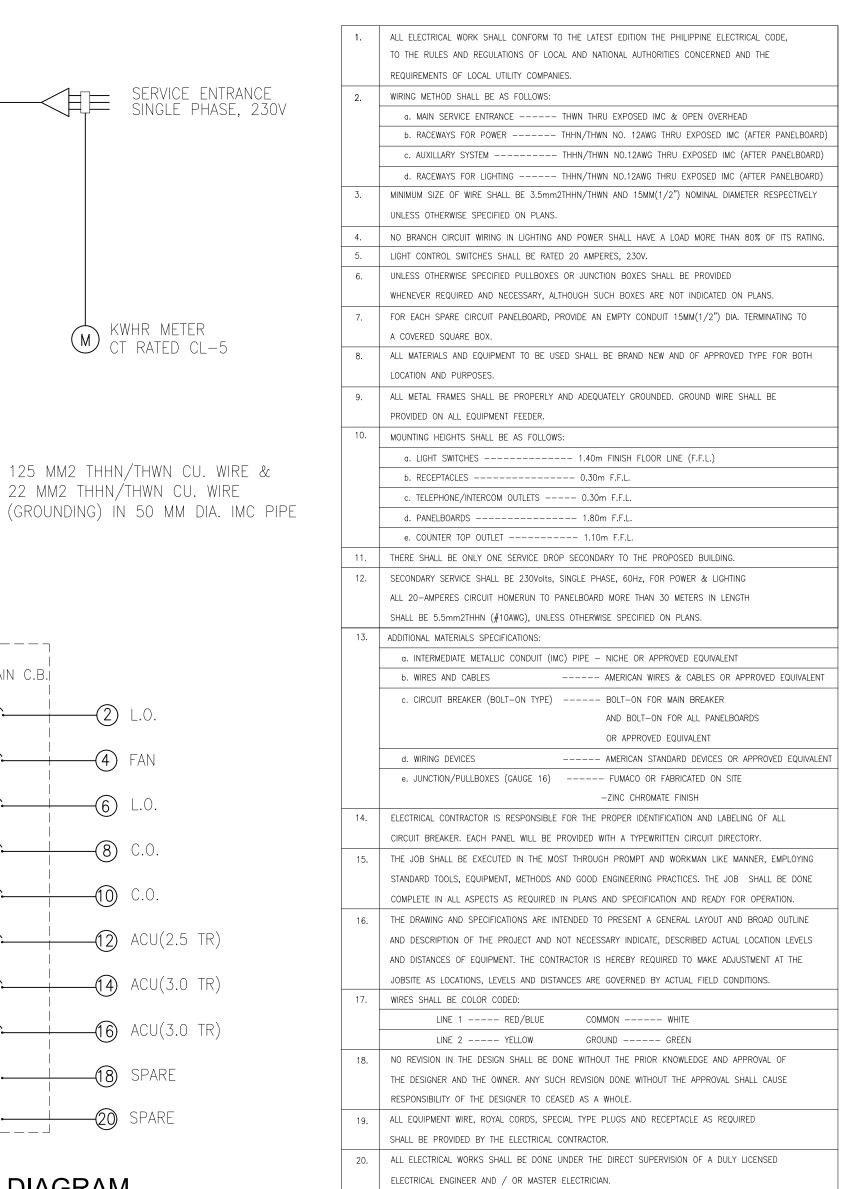
USE: 2 - 125MM SQ THWN CU WIRE AND 1 - 22.0MM SQ THWN GROUNDING IN 40MM DIA IMC

275 AT MAIN, 240V,2P,60 Hz, 20 BRANCHES CENTER MAIN PANEL BOARD, BOLT ON

LEGEND

	2X32W FLOURESCENT LAMPS W/ 2'X4' LAY-IN DIFFUSER	X	CEILING FAN
8	2X32W FLOURESCENT LAMPS W/ SURFACE MOUNT DIFFUSER	\Leftrightarrow	DUPLEX CONV. OUTLET
₩	WALL EXHAUST FAN OUTLET	Ľ	AIR CON DISCONNECT/BREAKER SWITCH with NEMA 3R ENCLOSURES
Sa	ONE GANG SWITCH	M	KILOWATT-HOUR METER
S _{ab}	TWO GANG SWITCH	PP 4	CIRCUIT HOMERUN, IND. CKT. NO.
S _{abc}	THREE GANG SWITCH		SERVICE ENTRANCE SINGLE PHASE 230VAC & 60HZ
S _{CF}	CEILING FAN SWITCH/CONTROL	PP	POWER PANEL BOARD

GENERAL NOTES & SPECIFICATIONS



SINGLE-LINE RISER DIAGRAM

275AT MAIN C.B.

, KWHR METER M CT RATED CL-5

(2) ACU(2.5 TR)

4 ACU(3.0 TR)

(16) ACU(3.0 TR)

2- # 125 MM2 THHN/THWN CU. WIRE & 1- # 22 MM2 THHN/THWN CU. WIRE

PROJECT TITLE :	PREPARED BY:	CHECKED BY:	SUBMITTED BY:	RECOMMEND APPROVAL:	APPROVED BY:	SHEET NO.
PROPOSED PNP SAF CLASSROOMS						E-1
	ENGR FRENEL B BAUTISTA	ARCH PAVEL D HALOG	JOEL FELIX MATEO D RUNES IV, MPA	JEROME P PAGARAGAN, CEO VI	CRISTINO C CAMPANILLA, CESE	
LOCATION: FORT STO DOMINGO, STA ROSA, LAGUNA	PCINSP CHIEF, PLANS & DESIGN SECTION	PSUPT CHIEF, CONSTRUCTION & REPAIR DIVISION	PSSUPT (CE) DSC CDS, ENGINEERING SERVICE	PSSUPT DEPUTY DIRECTOR, ENGINEERING SERVICE	PCSUPT DIRECTOR, ENGINEERING SERVICE	JUNE 22, 2012 Date drawing completed

ACU(3.0 TR) (15)

ACU(2.5 TR) (17)-